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APPLICATION NO.	ī	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/777,460	09/777,460 02/08/2001		Marcus J.H. Willems van Dijk	P 277120 P-172.010-US	3244	
909	7590	01/21/2005		EXAMINER		
PILLSBU	RY WIN	THROP, LLP	BALI, VIKKRAM			
P.O. BOX 1			ART UNIT	PAPER NUMBER		
MCLEAN,	VA 221	02			TALER NOMBER	
				2623		
					DATE MAILED: 01/21/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
	09/777,460	WILLEMS VAN DIJK ET AL.					
Office Action Summary	Examiner	Art Unit					
	Vikkram Bali	2623					
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet with the c	orrespondence address					
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	I. 1.136(a). In no event, however, may a reply be timely within the statutory minimum of thirty (30) days do will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE!	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 24 September 2004.							
,	nis action is non-final.						
3) Since this application is in condition for allow							
Disposition of Claims							
4) ☐ Claim(s) 1-11 is/are pending in the application 4a) Of the above claim(s) 12 and 13 is/are w 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-11 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and	ithdrawn from consideration.						
Application Papers							
9) The specification is objected to by the Exami 10) The drawing(s) filed on is/are: a) a Applicant may not request that any objection to the Replacement drawing sheet(s) including the correction. 11) The oath or declaration is objected to by the	ccepted or b) objected to by the large drawing(s) be held in abeyance. Se ection is required if the drawing(s) is ob	e 37 CFR 1.85(a). ojected to. See 37 CFR 1.121(d).					
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for forei a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the priority docume application from the International Bure * See the attached detailed Office action for a least term of the priority documents.	ents have been received. ents have been received in Applicat riority documents have been receive eau (PCT Rule 17.2(a)).	ion No ed in this National Stage					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0 Paper No(s)/Mail Date 9/24/2004.	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal B 6) Other:						

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DETAILED ACTION

In response to the amendment filled on 9/24/2004, all the amendment to the claims have been entered and the action follows:

1. Applicant's amendment, filed 9/24/2004, with respect to claims 3 and 5 have been entered. And, the rejection under 35 USC 112 of claims 3 and 5 has been withdrawn.

2. Applicant's arguments, see pages 4-6, filed 9/24/2004, with respect to the rejection(s)of claim(s) 1-11 under 35 USC 103 have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of newly find art.

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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2. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

3. Claims 1-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over van den Brink (US 4778275), (herein after 275) in view of JP 6-302495, Shigeo (herein after Shigeo).

With respect to claim 1, 275 discloses object place on first position, measuring a displacement, removing the object, moving the object and the table relative to one another and placing the object at the required position, (see col. 7, lines 24-40, the mask "object" is at the first position and the system AS1 aligns the mask by positioning the mask at the required position, see col. 7 line 64 through col. 8 line 5), as claimed. However, he fails to explicitly disclose, removing the object from the first object table, as claimed. Shigeo teaches removing the object from the first object table, (see the constitution the reticle 12 is taken out "remove" and the stage is turned) as claimed. Therefore, it would have been obvious to one ordinary skilled in the art at the time of invention to combine the two references as they are analogous because they are

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solving the similar problem of lithography. The object removing system of the Shigeo can be place in to the 275, in order to accurately align the reticle at a high speed.

With respect to claim 2, he further discloses, aligning a first mark on he object to a second, (see col. 7, lines 25-35) as claimed.

With respect to claim 3, he further discloses, second mark is located on the second object table, (see col. 7, lines 37-40, the mark P1 is located on the substrate) as claimed.

With respect to claim 4, he further discloses, mask is held by first object table, (see figure 3, mask MA is held by the first object table) as claimed.

With respect to claim 5, he further discloses, second mark is located on substrate, (see col. 7, lines 37-40, the mark P1 is located on the substrate) as claimed.

With respect to claim 6 and 7, he further discloses, the imaging means and the processing information about first position of the object together with information regarding the required position, (see col. 8, lines 10-35) as claimed.

With respect to claim 8, he further discloses, displacement deviation is rotational around an axis, (see col. 2, lines 23-27) as claimed.

With respect to claim 9, it is well known the lithography process is done while the mask is place using a vacuum-generating surface. Therefore, it would have been obvious to one ordinary skilled in he art at the time of invention to simply use the vacuum generating surface to hold the mask "object" as it is conventionally done in the art of lithography.

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With respect to claim 10, he further discloses, the radiation source, (see col. 8, lines 10-15) as claimed.

Claim 11 is rejected for the same reasons as set forth in the rejection of claim 1, because claim 11 is claiming subject mater similar to claim 1.

Response to Arguments

4. Applicant's arguments with respect to claims 1-11 have been considered but are moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vikkram Bali whose telephone number is 703.305.4510. The examiner can normally be reached on 7:30 AM - 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amelia Au can be reached on 703.308.6604. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Vikkram Bali Primary Examiner Art Unit 2623

vb January 18, 2005